

**CLAIMS:**

1. An apparatus (20), comprising:  
processing means (21, 24, 25, 26) for receiving broadcast signals and processing said received signals to generate processed analog signals;  
receiving means (27) for receiving a request signal from a device (30) via a transmission medium connecting said apparatus (20) and said device (30); and  
wherein said processed analog signals are provided to said device (30) via said transmission medium responsive to said request signal.
2. The apparatus (20) of claim 1, wherein said transmission medium includes RG-59 cable.
3. The apparatus (20) of claim 1, wherein said broadcast signals are transmitted from a satellite source.
4. The apparatus (20) of claim 1, wherein said broadcast signals are transmitted from a digital terrestrial source.
5. The apparatus (20) of claim 1, further comprising:  
control means (27) for detecting an available frequency band on said transmission medium; and  
wherein said available frequency band is used to provide said processed analog signals to said device (30).
6. The apparatus (20) of claim 5, wherein said control means (27) scans a plurality of frequency bands on said transmission medium to detect said available frequency band.

7. The apparatus (20) of claim 5, wherein said control means (27) detects said available frequency band based on a user input which selects said available frequency band.

8. The apparatus (20) of claim 1, wherein said processing means (21, 24, 25, 26) comprises front-end processing means (21) for extracting a desired digital transport stream from said received signals responsive to said request signal.

9. The apparatus (20) of claim 8, wherein said processing means (21, 24, 25, 26) further comprises:

encoding means (24) for encoding said desired digital transport stream with error correction data to generate encoded digital signals;

digital-to-analog converting means (25) for converting said encoded digital signals to analog baseband signals; and

modulating means (26) for modulating said analog baseband signals to generate said processed analog signals.

10. The apparatus (20) of claim 1, wherein said receiving means (27) comprises demodulating means (27) for demodulating said request signal.

11. A method (600) for distributing signals from a gateway apparatus to a client device, comprising steps of:

receiving broadcast signals (610);

receiving a request signal from said client device via a transmission medium connecting said gateway apparatus and said client device (620);

processing said received signals to generate processed analog signals (650);  
and

providing said processed analog signals to said client device via said transmission medium responsive to said request signal (660).

12. The method (600) of claim 11, wherein said transmission medium includes RG-59 cable.

13. The method (600) of claim 11, wherein said broadcast signals are transmitted from a satellite source.

14. The method (600) of claim 11, wherein said broadcast signals are transmitted from a digital terrestrial source.

15. The method (600) of claim 11, further comprising a step of:  
detecting an available frequency band on said transmission medium (640);  
and

wherein said available frequency band is used to provide said processed analog signals to said client device.

16. The method (600) of claim 15, wherein said detecting step (640) includes scanning a plurality of frequency bands on said transmission medium to identify said available frequency band.

17. The method (600) of claim 15, wherein said detecting step (640) is performed based on a user input which selects said available frequency band.

18. The method (600) of claim 15, further comprising steps of:

extracting a desired digital transport stream from said received signals responsive to said request signal (630);

encoding said desired digital transport stream with error correction data to generate encoded digital signals (652);

converting said encoded digital signals to analog baseband signals (654); and  
modulating said analog baseband signals to generate said processed analog signals (656).

19. A client device (30), comprising:

a front-end processor (31) operative to process analog signals provided from an apparatus (20) via a transmission medium connecting said apparatus (20) and said client device (30);

a back channel processor (32) operative to generate a request signal responsive to a user input; and

wherein said request signal is provided to said apparatus (20) via said transmission medium and causes said apparatus (20) to provide said analog signals to said client device (30).

20. The client device (30) of claim 19, wherein said transmission medium includes RG-59 cable.

21. The client device (30) of claim 19, wherein:

said front-end processor (31) processes said analog signals to generate a digital transport stream, and further comprising:

an A/V processor (34) operative to process said digital transport stream to generate output signals.

22. The client device (30) of claim 19, wherein:  
said back channel processor (32) is further operative to detect an available frequency band on said transmission medium; and  
said available frequency band is used to provide said request signal to said apparatus (20).

23. The client device (30) of claim 22, wherein said back channel processor (32) scans a plurality of frequency bands on said transmission medium to detect said available frequency band.

24. The client device (30) of claim 22, wherein said back channel processor (32) detects said available frequency band based on a user input which selects said available frequency band.